

Application S/N 10/797,729
Amendment Dated: October 16, 2006
Response to Office Action dated: May 31, 2006

CE12615JEM

16. (currently amended) A battery for supplying power to an electronic device, comprising:

at least one cell for receiving power from a charging unit; and

a memory, wherein when the battery is coupled to the charging unit, a processor of the charging unit is programmed to determine a charge termination point for the battery, wherein the charge termination point produces a charge on the battery that is less than an initial maximum charging capacity of the battery and wherein the charging unit charges the battery using the charge termination point for at least a portion of the charge cycles of the battery to reduce at least in part the variation of battery capacity over the cycle life of the battery;

wherein the charge termination point is at least partially based on a percentage of transmission time, a percentage of receive time or a percentage of standby time, each of which is associated with a mobile communications device.

17. (original) The battery according to claim ¹⁶~~17~~, wherein the memory is an electrically programmable read only memory that stores a number of charge cycles, an initial maximum capacity and a target capacity of the battery and wherein the processor accesses the number of charge cycles, the initial maximum capacity and the target capacity of the battery to determine the charge termination point.